

Ultraviolet radiation absorption of intraocular lenses

T Laube, H Apel... - Ophthalmology, 2004 - Elsevier

... tinted contact lenses, sunglasses, or intraocular lenses (IOLs) with **chromophore** components to ... Table 1). All lens types investigated were routinely **implanted** at our ... Vis/NIR spectrophotometer measured and recorded the transmittance of **electromagnetic radiation** of wavelength ...

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ABL Hunyor - Australian and New Zealand journal of ..., 1987 - Wiley Online Library

... pigment in the near ultraviolet (300 to 400 nm) than in the visible part of the **electromagnetic spectrum**. ... 3. Marshall J. **Radiation** and the ageing eye. ... Light-induced maculopathy, from the operating microscope in extracapsular cataract extraction and intraocular lens **implantation**. ...

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ES Rosen - Seminars in Ophthalmology, 1986 - informahealthcare.com

... Fig 1. The **electromagnetic spectrum**. ... keratoplasty with young donor material in an ageing eye, a desirable aim for the best quality endothelial cells, alters the status quo of **radiation** protection for the macula in a way not dissimilar to intra- ocular lens (IOL) **implant** surgery of ...

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... 0.2 ms pulse interval to excise a circular piece of tissue covering each **implant** (Fig 7 ... there should be a close match between the laser wavelength and the **chromophore(s)** present ... nm range) emit laser light in the near infra-red spectrum of the **electromagnetic radiation** which are ...

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... lysine, antibodies, protein A, protein G, electron dense materials, and **chromophores** [45 ... **Electromagnetic radiation** from light is an option for energy generation in determined open workspaces ... inductive powering has been used both for RFID and biomedical **implanted** devices ...

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... result of the thermoelastic effect stimulated by inhomogeneous absorption of **electromagnetic energy** ... phantoms and ex-vivo chicken breast specimens containing an **implanted** subsurface inclusion ... employed in these studies were described elsewhere.17 Laser **radiation** at the ...

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electromagnetic radiation of implanted chromophore

